

Things to Know, Understand and Do For Chapter 13: Chemical Equations and Reactions

By the end of Chapter 8, you should

Know how to...
Tell when a chemical reaction is taking place.
Write a balanced chemical equation from a word equation.
Balance a chemical equation using coefficients.
Determine which of the major types of reactions (synthesis, decomposition, etc.) is taking place by looking at an equation.
List the various kinds of each synthesis, decomposition, single replacement, and double replacement reactions.

understand...
What the symbols (s), (aq) etc. mean in a chemical equation.
How to count atoms in compounds in order to balance chemical equations.
That coefficients in reactions mean moles of reactants and products.
The difference in types of chemical reactions.
That balancing equations justify the law of conservation of matter.

Chapter 13 Homework.

Due the day before the test. Must be completed neatly. Use full sentences and/or show all work in calculations for full credit where applicable. This assignment may be passed in anytime before the test though. Students may also elect to pass in questions in smaller chunks during the course of our coverage of the chapter if that is more conducive to their learning style.

Read Chapter 13 (p 354 – 379) Ignore all of the stuff on toxins.

Do the following problems:

pg 357 Q 1
pg 362 Q 1, 2, 3
pg 369 Q 1
pg 374 Q 1, 4
pg 379 Q 4